



CAREER SUMMARY

- Experienced **Mechanical and Plumbing engineer** various types of projects including laboratories, healthcare, industrial, office spaces, residential, restaurants and government design build projects.
- Expert in using **REVIT & AutoCAD**.
- Projects completed from Schematics to Construction Administration.
- Knowledgeable in **Mechanical Codes, Plumbing codes, ASHRAE standards and ASPE Guidelines**.
- **Deep understanding of fundamentals:** Psychrometric charts, Fan/pump curves, Thermodynamics, Fluid Mechanics. Currently pursuing PE Licence in California.



PROFESSIONAL EXPERIENCE

Senior Design Engineer | SC Engineers, CA | MARCH 2021 – PRESENT

- Types of projects – Laboratories, Healthcare, Industrial and Various Government Design Build Projects.
- Managed multiple projects simultaneously for mechanical and plumbing design, serving as the PM for the project.
- Effectively assign designers and engineers with drafting and calculations. Provided clear markups on PDFs to progress the design.
- Worked on projects from SD to IFC with constant volume, variable volume systems with venturi valves and fume hoods, Packaged rooftop systems, DOAS etc. Edited Masterspec / UFGS specifications. Met with client and other consultants to produce a well-coordinated set.
- Designed specialty plumbing systems such as RO/DI water systems, med gas systems, lab gases systems, and compressed air systems
- Worked on renovation projects in existing buildings with phasing and temp systems.
- Participated in design coordination meetings with client / government / other consultants to contribute real time.

Mechanical Engineer | AMA Consulting Engineers, NY | OCTOBER 2019 – MARCH 2021

- Types of projects – Restaurants, Office spaces and Retail fitouts.
- Worked on projects with hydronic systems from inception to complete construction documents & CA. Edited book/CAD specifications; collaborated with electrical team to produce a well-coordinated set.

Mechanical Engineer | GEA Consulting Engineers, NY | JULY 2018 – OCTOBER 2019

- Types of projects – High rise Residential, Restaurants, church.
- Coordinated with architect and other in-house trades. Developed deep understanding of NYC Mechanical code while learning working of VRF and hydronic systems.
- Meticulously reviewing Shop drawings, Submittals and Responding to RFIs.
- Used Trace for load calculations and AutoCAD and REVIT for drafting.

MEP Design Engineer | LL Engineering P.C, NY | MAY 2018 – JULY 2018

- Worked on Mechanical (HVAC), Electrical and Plumbing design for Commercial and Residential buildings.
- Independently took HVAC projects from setting up xref to submitting the final draft with equipment schedule, Detailed drawings and Mechanical Details.



EDUCATION

Master's in Mechanical Engineering | New York University | MAY 2018 | GPA – 3.63

- Courses: Heat transfer for HVAC, Design of HVAC, Thermal Engineering, Fluid mechanics for HVAC, Linear control systems.

Bachelor's in Mechanical Engineering | University of Pune | MAY 2016 | GPA – 3.50

- Courses: Machine design, Thermodynamics, Strength of Materials, Heat transfer, Robotics, Advanced CAD.



TECHNICAL SKILLS

REVIT | AUTOCAD | ASHRAE | UFGS / UFC | BUILDING CODES | TRACE | HCAI | ENERGY PRO